

CLAIMS

1. A hand-held power tool formed as an impact drilling power tool, comprising a housing; drive means which is drivingly supported in said housing; a mechanical striking mechanism for a striking operation of a tool in a tool receptacle and having a striker; a drive unit through which said striker is drivable in its striking movement, said drive unit having at least one curved track with raised portions and depressed portions extending in an axial direction of the tool; a sensing unit which is in operative connection with said striker and has at least one sensing member which is bringable in operative connection with said raised portions and depressed portions of said curved track, said striker being supported on said drive means.

2. A hand held power tool as defined in claim 1, wherein said drive means is supported axially displaceably and has a projection which in direction to said tool receptacle forms an abutment for said striker.

3. A hand held power tool as defined in claim 2; and further comprising a cup-shaped sleeve, said curved track being arranged on said cup-shaped sleeve, said projection being arranged inside said sleeve.

4. A hand held power tool as defined in claim 1, wherein said drive means is a shaft, at least a part of said sensing unit being non rotatably connected with said drive means and drivable directly from said drive means.

5. A hand held power tool as defined in claim 1, wherein at least a part of said sensing unit is connected with a drive part which is formed separately from said drive means.

6. A hand held power tool as defined in claim 1, wherein said sensing unit has at least two sensing members which are bringable in operative connection with two such curved tracks.

7. A hand held power tool as defined in claim 1, wherein said at least one said sensing member of said sensing unit is limited in its movement in an idle running position in an axial direction at least to one curved track by an abutment.

8. A hand held power tool as defined in claim 7, wherein said drive means is supported axially displaceable, said abutment being formed by further means which is fixedly arranged on said drive means.

9. A hand held power tool as defined in claim 1; and further comprising at least one spring which is in operative connection with said striker and forms at said least one sensing member of said sensing unit.

10. A hand held power tool as defined in claim 1; and further comprising at least one spring which is in operative connection with said striker and forms at least one drive element of said sensing unit.

11. A hand held power tool as defined in claim 1, wherein said curved path is displaceably supported against a tensioned spring through said sensing unit.

12. A hand held power tool as defined in claim 1, wherein said drive unit has only one curved track.